	cof			
			HANNA	Ш
				Ш
		Ш		И

Application No.

10/007,270 Examiner

Applicant(s)

HAGEMAN ET AL.

Art Unit

Jegatheesan Seharaseyon

1647

Rejected Allowed

(Through numeral) Cancelled

÷

Restricted

Non-Elected N

1 Interference

Appeal Α 0 Objected

Claim	Claim Date				Claim Date																						
1 1				\dashv	<u> </u>	\vdash	Date						CI	Date													
Final	3/1/04							-	Original	1 1	-1			1 1				۱_	क	П	- 1	- 1	- 1				\top
뉴 홀	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	- 1			ĺ		- 1	Final	<u>i</u>	1 1		00			- 1		1	Final	퍒	1 1						- 1	
1 10	3	- [1 1			11		"	ō			- 1	1					ΙŒ	Original	1 1	- 1		- 1	-			
1	1	_	1-1	1		++	\dashv		51	\vdash	+		+-		_		4						\perp				
2	111	\top	1-1	-+	+	1-1		 	52	╌	+		-	\vdash			4		101	\sqcup		\perp	\perp	\Box	$\Box \Gamma$	T	
3	#		1	十	_	+-+	-		53	╁─┼	-+-		+-	-	+	+-	-		102		\bot		\perp		$\Box\Gamma$		\top
4		\vdash		\neg	\dashv	+	\dashv	-	54	\vdash	-		-	\vdash		+-	- 1		103				\perp			\top	7
5	1		\Box	\neg	- -	+	-	 	55	┨	+	+	+				-		104	\sqcup				1		T	
6	-	\top				++	7	 	56		+	+	+-		-+-		-		105	\perp	4	\perp	_ _			\Box	T
7			П	_	-	1-1-	┥ !		57		+		+-	\dashv	-	+	-		106	\sqcup	_	\perp	4			\perp	$oxed{\Box}$
8		\top		一.		+	7]		58	-	+	+	+-				-		107	-	_ _	4	4	\perp	\perp	\perp	
9		7		7		+	7 1		59	+	+-	+	+-1	-		+-	1 1		108			4.	4	\perp		\perp	
10	V	T		7	\neg		7 1		60		+	+-	╀╌┤	+			1 1		109	\dashv	- -	\perp	_	\perp	\perp		丄
11	$\sqrt{}$	\top		ヿ			7		61		+	+	1-1			+-	1 }		110	-	- -	4.	\perp	4		\perp	
12						T-1-	-	$\neg \neg$	62	-	+-	+	1-1	+	-	+-	1 }		111		-	4_	1	4		\perp	L
13							1 1		63	-+	╁	+-	+			+	1 }		112	_ -	_	+	1	4-		\bot	\perp
14				$\neg \vdash$			7 1		64	+	+-	+	-	+	+-		-		113	+	4	- -	4	4		\bot	\perp
15							7		65	+	┿	╁	\vdash	+	+-	+	-		114		+	_		_	4_	丄	\perp
16			T	7			7 1	-+	66	+	+	+-			+-	+			115		-	╄	4	\perp		\perp	
17		T		\top	\neg		7 1		67		+-	+		+		1-1	-	-+	116			4_	+	_			↓_
18		$\Gamma \Gamma$					7 h		68		+-	+-	\vdash	+		+	H		117		+	4_	1	\perp	┵		_
19		I					7 1		69	+-	╅╴	+	-	_		+	-	-	118	-	+-	\perp	\downarrow	4	┸-	1_	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}$
20							7		70	$\overline{}$	+-	1	\dashv	\dashv	+	+	-		119	-	- -	↓_	╄	\perp	4_	1_	_
21			\top	7	$\neg \neg$		7		71		+		-+		+-	+4	 -		120	-+-		↓.	┦_		-	↓_	
22							7		72	+-	+-	Н	-	-+-	╁	╁╌┤	 -		121	+	+-	-	_	_	\perp	↓_	└
23		\Box	$\Box \Gamma$				7		73	_ _	+-	1-1	-	+	+	11	⊢	-+,	122		+-	┼-		4	-	\vdash	
24	_ _			T		\neg	7	一十	74		†			+	+-	\vdash	-	-	123		+	₽	┼	.	╄-	-	Ш
25					T		7		75	\top	 	1	+	- -	+-	\vdash	⊢	-	125	┰		-	-	╁	4—		Ш
26	[7 /		76	_	1		\dashv	+	-	\vdash	⊢		26		+-	┼-	↓_	╁_	-	ш	\Box
27					\perp T		1		77				+	+-	1	\vdash	\vdash	-	27		+-	⊢	├-	∤ _		\vdash \dashv	\square
28							1		78	\top	_		+	+	1	-	\vdash	- 1	28	+		-	<u> </u>	↓_	↓_	\vdash	\vdash
29							1 [79		\vdash			+-	1-	\vdash	\vdash	- + -	29	+-		├	-	┢	-	$\vdash \vdash$	\dashv
30	44	Ш] [80	7-	1		_	+-	1-1	\vdash	\vdash		30	+-	├	<u> </u>	├	-	-	⊢⊢	
31	\perp		\bot						81				_†-	1-	1-1	\vdash	-	- 1	31	+	 	_	├	-	-		
32	-				\Box] [82			_		1-	1	-+	-	- '	32	+-	╂—	-		 	-		
33	\perp								83				\top	1	1	-	-		33	+-	+	-	Ŀ٠	-	-		
34	\perp		_ _	<u> </u>				- 1	34				1	1	\vdash	\dashv	_		34	+-		-		<u> </u>	-		
35	+	\perp	4_	↓			L		35			\neg	\top			\neg	-	1	35	+-	Н	-	-		\vdash		\dashv
36	+			↓	$\perp \perp$		L		36	\mathbf{I}^{-}			\top	1			-	1	36		-	-	-	_		+	
37	+++		4_	╀-	\perp		ٰ ٰ ٰ ٰ	8	37				\top	1		7	\vdash	1	37	+-	\vdash	-	-	_	\vdash	\dashv	\dashv
38	+-+	+	4_	<u> </u>	$\vdash \downarrow$	4_	L		38		\Box					\neg		1:	38	+-		\dashv			\vdash	+	\dashv
39 40	++	-	-	<u> </u>	\sqcup	4	L	8	39		丁		T		\sqcap	\neg		1	39	1-		-	-		-	+	\dashv
	++		4—	<u> </u>	$\vdash \downarrow$	4	<u> </u>	9	0				T)		\Box	\neg	\vdash	14	40	+-	-	\dashv			-	+	\dashv
41	+		+-	Ι	⊢-		<u></u>)1							\neg		114	11	+-1	-	+	-		+	+	\dashv
42	+	-	+	_	-	44	\perp		2		\Box		Γ			\neg		14	12	+	-+	-+	┰	\dashv	-+	+	\dashv
44	╁╌┼	+	+	\vdash	-		<u> </u>	_ 9	3	$oxedsymbol{oxed}$	\Box	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}$	\perp					14	13	1-1	-+	+	-	+	\dashv	+	\dashv
45	╁┼┼		+	\vdash		4-1	\perp		4	1 1		\perp			\neg				14	1-1	\dashv	\dashv	\dashv	-+	-+	+	\dashv
46	╁╌┼		+	\vdash			<u> </u>		5	\perp	\perp				\Box			14		1-1	+	\dashv	\dashv	-+		+	\dashv
47	╁	-	+	-		4-1	\vdash	9		\sqcup	\bot					J		14	6	1-1	\dashv	+	-	\dashv	\dashv	+	\dashv
48	+	-	+	\dashv		44	<u> </u>	9		\sqcup		\bot		\Box				14	7	1-1	+	+	-	+	\dashv	+	\dashv
49			+	-		+	-	9		Ш	\perp				\Box			14		1	+	十	\dashv	\dashv	\dashv	+	\dashv
50	++	+	╁╾┤	\dashv		+	-	9		\vdash	1			LJ	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$			14	9	-	\top	十	+	\dashv	+	+-	\dashv
			1					10	<u> U </u>	$\sqcup \bot$	L			L	_ [15	0		\neg	_	+	_	-	+	-